6/17/83 S 6790-5.2 a

The Preparation and Occupational Pursuits of Teachers, 1981-82

Pennsylvania Department of Education

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INTRODUCTION

"The Preparation and Occupational Pursuits of Teachers, 1981-82" is one in a series of publications containing statistical summaries related to basic education, higher education, and vocational education in Pennsylvania. The data contained in this publication reflects current year figures as well as trends on a variety of selected topics. In many instances, more detailed data is available.

Requests for more detailed data and questions or comments about the data should be addressed to the Pennsylvania Department of Education, Division of Data Services, 333 Market Street, P.O. Box 911, Harrisburg, PA 17108 (Phone 717-787-2644).

Sources: Persons Completing Preparation for an Instructional I Certificate in Pennsylvania, 1981-82 (DEAS-1506A)
Occupations of Persons Completing Preparation for an Instructional I Certificate in Pennsylvania, 1981-82 (DEAS-1506B)

TABLE 1

TEACHERS PREPARED IN PENNSYLVANIA,
1972-73 THROUGH 1981-82

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
1972-73	18 881	7 844	5 844	3 851	1 342
1973-74	17 944	7 303	5 053	3 877	1 711
1974-75	15 267	5 879	3 980	3 529	1 879
1975-76	13 152	4 856	3 253	3 300	1 743
1976-77	11 769	4 019	2 617	3 200	1 933
1977-78	11 443	3 991	2 701	3 016	1 735
1978-79	9 505	3 380	1 904	2 705	1 516
1979-80	8 444	2 996	1 602	2 379	1 467
1980-81	7 396	2 570	1 476	1 977	1 373
1981-82	7 173	2 446	1 385	1 762	1 580

The total number of teachers prepared during the 1981-82 year has continued to decline. The 1981-82 total, 7,173, is 36.9 percent of the 1971-72 total, the peak year in teacher preparation. The number of elementary teachers prepared this year is only 29.5 percent of those prepared in elementary education during the 1971-72 year. With shortages already evident in several secondary subject areas, the continued decline of available teachers for most fields of study appears to be approaching a critical level.

FIGURE 2

TEACHERS PREPARED IN PENNSYLVANIA

1972-73 THROUGH 1981-82

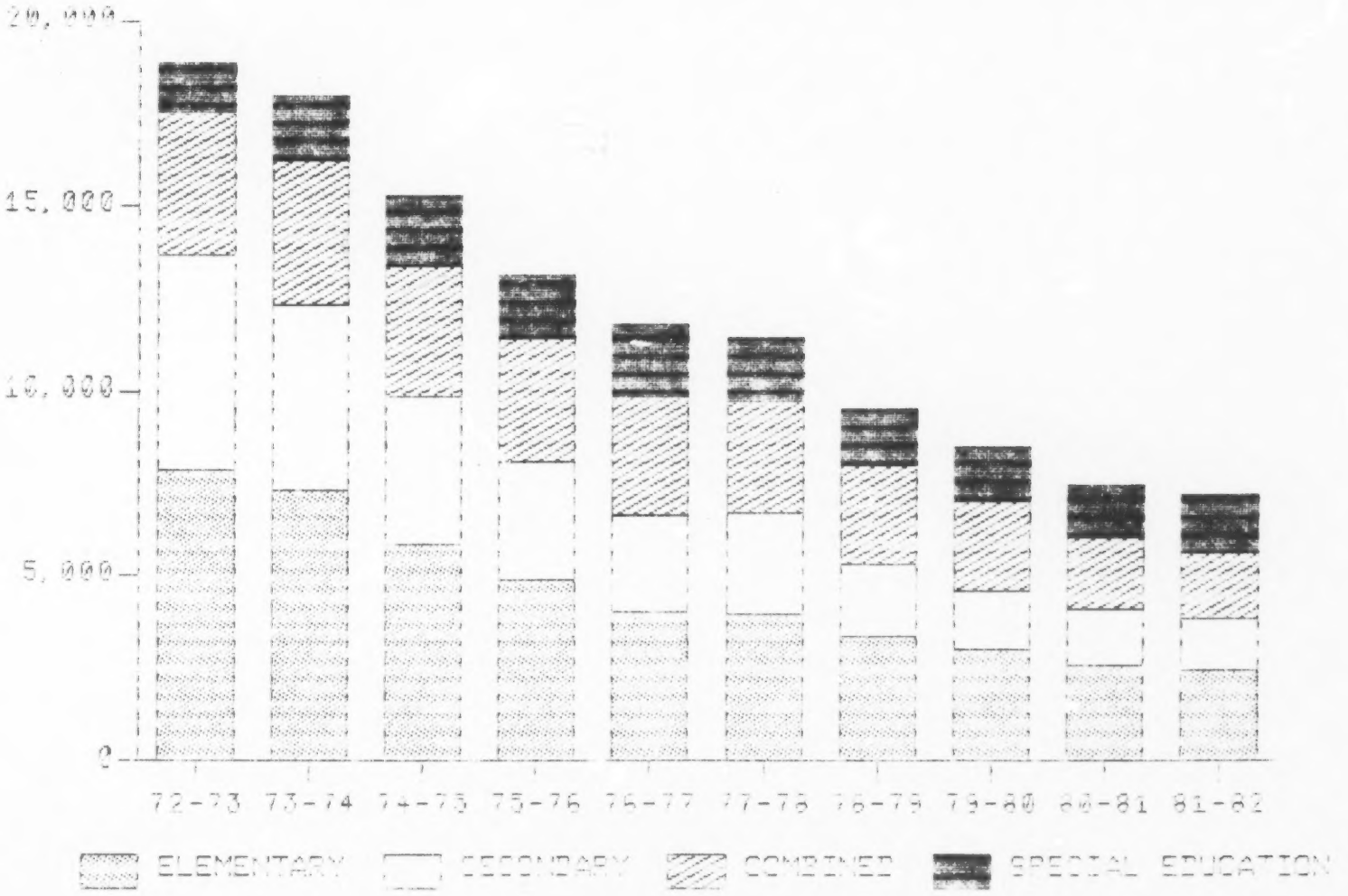

TABLE 2

A COMPARISON OF TEACHERS PREPARED TO THE NUMBER REPORTED FINDING TEACHING POSITIONS, 1972-73 THROUGH 1981-82

	Total Prepared	Total Teaching
1972-73	18 881	9 386
1973-74	17 944	8 141
1974-75	15 267	6 078
1975-76	13 152	4 790
1976-77	11 769	4 537
1977-78	11 443	4 483
1978-79	9 505	4 021
1979-80	8 444	3 598
1980-81	7 396	3 009
1981-82	7 173	2 606

The number of teachers finding employment in the teaching profession has declined at approximately the same rate as the number prepared. However, there are more people reported under the "no information" heading than the "teaching" heading (see Table 6, page 12). This lapse in follow-up by the preparing institutions allows one to draw the faulty conclusion that there is still a surplus of teachers.

FIGURE 2

A COMPARISON OF TEACHERS PREPARED

TO THE NUMBER REPORTED FINDING TEACHING POSITIONS

1972-73 THROUGH 1983-84

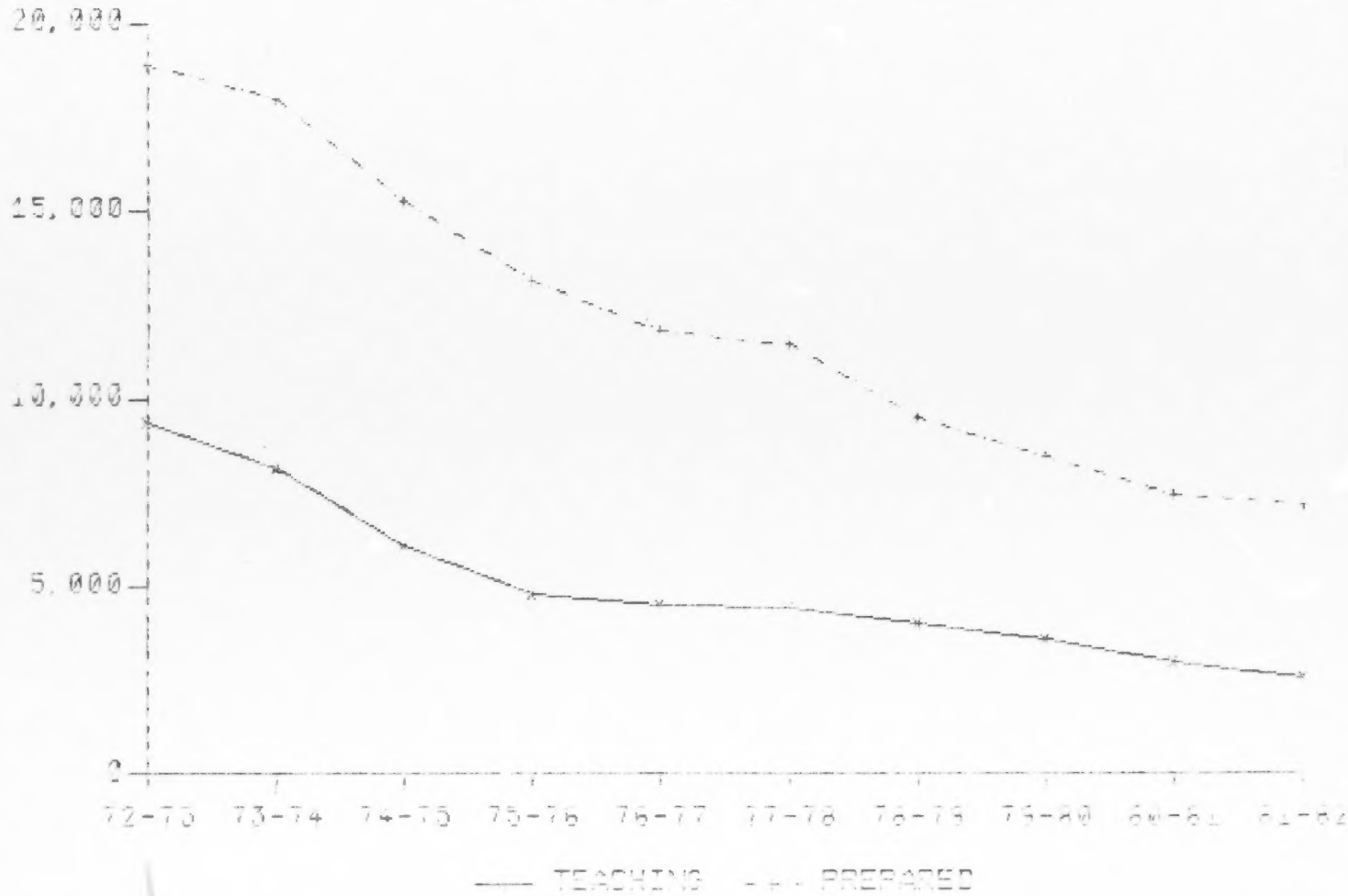

TABLE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY INSTITUTIONAL CATEGORY, 1972-73 THROUGH 1981-82

	Total	State Colleges and University	State-Related Commonwealth Universities	Private State-Aided Institutions	Private Colleges and Universities
1972-73	18 881	10 225	3 204	289	5 163
1973-74	17 944	9 935	3 013	205	4 791
1974-75	15 267	8 419	2 404	210	4 234
1975-76	13 152	7 005	2 247	169	3 731
1976-77	11 769	6 344	2 263	132	3 030
1977-78	11 443	5 825	2 587	144	2 887
1978-79	9 505	5 151	1 965	101	2 288
1979-80	8 444	4 716	1 682	78	1 968
1980-81	7 396	4 173	1 393	57	1 773
1981-82	7 173	3 659	1 542	60	1 912

Preparation of teachers has traditionally fallen on the shoulders of the state colleges and university. For example, in 1972-73 the state colleges and university prepared 54.4 percent of all those receiving initial certification. This current year the percentage has fallen to 51.0. The state-related universities have prepared 21.5 percent of these new teachers which compares to 17.0 percent in 1972-73. The private state-aided institutions have continued to have a smaller and smaller percentage of those initially prepared. Their percentage has fallen to 0.8 percent for this year, down from 1.5 percent in 1972-73. The private colleges and universities have also experienced a decline in the percent of new teachers prepared. Currently they are preparing 26.7 percent of the new teachers which compares with 27.4 percent during the 1972-73 year.

This year is unique in that three of the four categories of institutions show an increase in the number of teachers prepared. This could suggest a possible "bottoming out" of the number of teachers prepared or it could be just a pause in the continuing overall decline that has continued over the last ten years.

FIGURE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION

BY INSTITUTIONAL CATEGORY, 1972-73 THROUGH 1981-82

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1972-73 THROUGH 1981-82

	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
TOTAL, ALL FIELDS	18 881	17 944	15 267	13 152	11 769	11 443	9 505	8 444	7 396	7 173
ELEMENTARY	7 844	7 303	5 879	4 856	4 019	3 991	3 380	2 996	2 570	2 446
Elementary, General	7 844	7 303	5 879	4 856	4 019	3 505	2 896	2 371	2 020	1 927
Early Childhood	-	-	-	-	-	486	484	625	550	519
SECONDARY	5 844	5 053	3 980	3 253	2 617	2 701	1 904	1 602	1 476	1 385
Business Education	375	377	303	264	238	218	281	189	208	145
Communications	-	-	-	-	-	158	125	105	104	81
Distributive Education	49	27	-	-	-	31	-	-	-	23
English	1 561	1 220	898	760	527	488	317	264	242	209
Mathematics	990	841	672	492	348	334	198	178	158	162
Physics and Mathematics	-	-	-	-	-	11	7	7	10	20
Sciences, Total	(799)	(775)	(613)	(504)	(440)	(410)	(286)	(235)	(248)	(211)
Biology	377	383	286	265	254	242	160	127	146	115
Chemistry	151	121	80	66	51	58	33	26	25	34
Earth and Space	-	-	97	80	64	53	29	30	34	32
General	87	115	108	55	50	44	50	40	30	27
Physics	74	62	42	38	21	13	14	12	13	3
Science--Unspecified	110	94	-	-	-	-	-	-	-	-
Social Studies	1 916	1 632	1 315	1 043	833	695	569	489	369	370
Vocational Education	40	18	68	79	114	197	111	133	137	164
Other Secondary	114	163	111	111	117	159	10	2	-	-
COMBINED	3 851	3 877	3 529	3 300	3 200	3 016	2 705	2 379	1 977	1 762
Agriculture	23	23	31	24	28	44	22	45	35	46
Art	532	580	494	505	431	453	339	291	237	211
Foreign Languages, Total	(791)	(697)	(592)	(447)	(359)	(309)	(232)	(184)	(150)	(143)
French	308	233	226	169	112	104	69	49	44	44
German	121	102	78	85	62	42	37	26	21	20
Italian	-	-	-	-	-	11	6	5	6	4
Latin	14	16	11	17	12	7	3	7	5	7
Russian	11	18	13	5	7	7	2	3	-	-
Spanish	334	322	261	166	157	133	111	92	71	65
Other	3	6	3	5	9	5	4	2	3	3
Health	-	-	-	-	-	37	38	37	33	15
Health and Physical Education	1 243	1 286	1 201	1 130	1 177	898	894	841	697	620
Home Economics	465	419	321	309	330	245	192	149	103	95
Industrial Arts	268	296	262	250	240	241	264	236	162	135
Library Science	-	-	-	-	-	148	117	84	91	74
Music	529	576	628	635	635	641	607	512	469	423

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1972-73 THROUGH 1981-82--Concluded

	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
SPECIAL EDUCATION[1/]	1 342	1 711	1 879	1 743	1 933	1 735	1 516	1 467	1 373	1 580
Hearing Impaired	-	-	-	-	-	46	26	34	39	43
Mentally/Physically Handicapped	-	-	-	-	-	1 296	1 106	1 095	1 030	1 205
Speech Correction	-	-	-	-	-	346	351	303	269	297
Visually Impaired	-	-	-	-	-	47	33	35	35	35

1/ Detail not available before 1977-78

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1981-82

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
TOTAL, ALL INSTITUTIONS (82)	7 173	2 446	1 385	1 762	1 580
STATE COLLEGES AND UNIVERSITY (14)	3 659	1 187	491	1 040	941
Bloomsburg State College	312	143	53	2	114
California State College	194	82	15	43	54
Cheyney State College	76	13	15	12	36
Clarion State College	237	96	37	23	81
East Stroudsburg State College	271	57	25	129	60
Edinboro State College	307	139	22	74	72
Indiana University of Pennsylvania	428	91	106	113	118
Kutztown State College	285	83	40	67	95
Lock Haven State College	182	56	10	82	34
Mansfield State College	130	27	12	52	39
Millersville State College	342	106	52	108	76
Shippensburg State College	137	77	47	13	-
Slippery Rock State College	300	65	23	124	88
West Chester State College	458	152	34	198	74
STATE-RELATED COMMONWEALTH UNIVERSITIES (4)	1 542	435	393	340	374
Lincoln University	5	-	1	4	-
The Pennsylvania State University	689	141	121	196	231
Temple University	622	205	202	113	102
University of Pittsburgh	226	89	69	27	41
PRIVATE STATE-AIDED INSTITUTIONS (4)	60	17	11	32	-
Drexel University	19	8	2	9	-
Philadelphia College of Art	9	-	-	9	-
Philadelphia College of the Performing Arts	13	-	-	13	-
University of Pennsylvania	19	9	9	1	-
PRIVATE COLLEGES AND UNIVERSITIES (60)	1 912	807	490	350	265
Albright College	6	-	3	3	-
Allegheny College	7	5	2	-	-
Allentown College of St. Francis de Sales	6	-	4	2	-
Alvernia College	7	5	2	-	-
Antioch University	66	19	-	-	47
Beaver College	51	16	6	2	27
Bryn Mawr College	2	-	2	-	-
Bucknell University	38	15	12	11	-
Cabrini College	68	31	3	-	34
Carlow College	22	4	3	2	13
Cedar Crest College	26	16	7	3	-
Chatham College	11	7	2	2	-
Chestnut Hill College	52	38	5	9	-
College Misericordia	41	11	8	10	12
Dickinson College	30	-	28	2	-
Duquesne University	107	30	19	24	34
Eastern College	20	17	2	1	-
Elizabethtown College	45	28	14	3	-
Franklin and Marshall College	13	-	11	2	-
Gannon University	24	-	24	-	-
Geneva College	40	27	11	2	-
Gettysburg College	40	21	4	15	-
Grove City College	84	44	27	13	-
Gwynedd-Mercy College	72	48	15	-	9
Holy Family College	30	20	8	2	-
Immaculata College	49	24	8	17	-
Juniata College	21	14	6	1	-
King's College	9	4	3	-	2
Lafayette College	10	2	7	1	-
LaSalle College	50	-	15	4	31
Lebanon Valley College	54	13	6	35	-
Lehigh University	27	9	7	1	10
Lycoming College	18	10	6	2	-
Marywood College	99	33	6	24	36
Mercyhurst College	42	23	4	5	10
Messiah College	70	34	8	28	-
Moore College of Art	5	-	-	5	-
Moravian College	23	11	5	7	-
Muhlenberg College	22	11	8	3	-

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1981-82--Concluded

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
PRIVATE COLLEGES AND UNIVERSITIES--Concluded					
Neumann College	7	7	-	-	-
Point Park College	14	10	4	-	-
Robert Morris College	9	-	9	-	-
Rosemont College	19	13	2	4	-
Seton Hill College	42	20	6	16	-
St. Francis College	33	27	5	1	-
St. Joseph's University	42	26	14	2	-
St. Vincent College	10	-	10	-	-
Susquehanna University	34	-	6	28	-
Swarthmore College	7	-	7	-	-
Thiel College	7	5	2	-	-
University of Scranton	24	-	24	-	-
Ursinus College	25	-	7	18	-
Villa Maria College	34	29	2	3	-
Villanova University	28	-	13	15	-
Washington and Jefferson College	13	-	9	4	-
Waynesburg College	11	9	2	-	-
Westminster College	55	26	19	10	-
Widener College of Widener University	19	-	18	1	-
Wilkes College	40	21	12	7	-
York College of Pennsylvania	32	24	8	-	-

TABLE 6

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION AND OCCUPATIONAL PURSUITS, 1972-73 THROUGH 1981-82

	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82
TOTAL, ALL TEACHERS	18 881	17 944	15 267	13 152	11 769	11 443	9 505	8 444	7 396	7 173
Teaching	9 386	8 141	6 078	4 790	4 537	4 483	4 021	3 598	3 003	2 606
In-State	7 414	6 280	4 726	3 743	3 352	3 319	2 951	2 595	2 160	1 904
Out-of-State	1 972	1 861	1 352	1 047	1 185	1 164	1 070	1 003	843	702
Not Teaching	6 141	6 367	5 795	5 509	4 412	3 254	2 658	2 255	2 073	1 930
Otherwise Gainfully Employed	1 938	2 185	1 865	1 777	1 641	1 365	1 079	898	870	637
Continuing Formal Study	895	745	762	686	638	497	476	484	395	441
Seeking Teaching Position	2 725	3 056	2 854	2 757	1 881	1 167	892	704	614	675
Seeking Non-Teaching Position	175	82	136	99	79	80	67	59	39	31
Other	408	299	178	190	173	145	144	110	155	146
No Information	3 354	3 436	3 394	2 853	2 820	3 706	2 826	2 591	2 320	2 637
ELEMENTARY	7 844	7 303	5 879	4 856	4 019	3 991	3 380	2 996	2 570	2 446
Teaching	4 165	3 317	2 279	1 669	1 536	1 638	1 490	1 409	1 074	977
In-State	3 359	2 567	1 836	1 341	1 159	1 226	1 124	1 043	788	759
Out-of-State	806	750	443	328	377	412	366	366	286	218
Not Teaching	2 194	2 510	2 123	2 133	1 561	1 169	968	805	737	721
Otherwise Gainfully Employed	615	752	611	591	509	431	355	291	246	200
Continuing Formal Study	251	214	175	206	166	153	107	131	112	109
Seeking Teaching Position	1 113	1 357	1 224	1 221	785	506	421	323	295	344
Seeking Non-Teaching Position	43	45	54	32	25	25	25	20	12	14
Other	172	142	59	83	76	54	60	40	72	54
No Information	1 485	1 476	1 477	1 054	922	1 184	922	782	759	748
SECONDARY	9 695	8 930	7 509	6 553	5 817	2 701	1 904	1 602	1 476	1 385
Teaching	4 334	3 681	2 795	2 289	2 031	1 018	806	614	533	473
In-State	3 346	2 845	2 163	1 771	1 533	794	625	476	440	378
Out-of-State	988	836	632	518	498	224	181	138	93	95
Not Teaching	3 716	3 544	3 114	2 864	2 397	724	541	463	403	350
Otherwise Gainfully Employed	1 270	1 348	1 088	1 025	989	345	243	189	209	140
Continuing Formal Study	574	465	480	397	384	124	103	97	69	78
Seeking Teaching Position	1 531	1 557	1 373	1 287	897	198	144	133	88	107
Seeking Non-Teaching Position	122	37	72	62	50	24	18	12	11	6
Other	219	137	101	93	77	33	33	32	26	19
No Information	1 645	1 705	1 600	1 400	1 389	959	557	525	540	562
COMBINED[1/]	-	-	-	-	-	3 016	2 705	2 379	1 977	1 762
Teaching	-	-	-	-	-	1 047	900	812	662	533
In-State	-	-	-	-	-	761	645	581	464	365
Out-of-State	-	-	-	-	-	286	255	231	198	168
Not Teaching	-	-	-	-	-	1 054	851	716	642	518
Otherwise Gainfully Employed	-	-	-	-	-	474	397	322	310	208
Continuing Formal Study	-	-	-	-	-	148	155	159	123	112
Seeking Teaching Position	-	-	-	-	-	369	240	186	167	139
Seeking Non-Teaching Position	-	-	-	-	-	24	23	25	13	10
Other	-	-	-	-	-	39	36	24	29	49
No Information	-	-	-	-	-	915	954	851	673	711
SPECIAL EDUCATION	1 342	1 711	1 879	1 743	1 933	1 735	1 516	1 467	1 373	1 580
Teaching	887	1 143	1 004	832	970	780	825	763	734	623
In-State	709	868	727	631	660	538	557	495	468	402
Out-of-State	178	275	277	201	310	242	268	268	266	221
Not Teaching	231	313	558	512	454	307	298	271	291	341
Otherwise Gainfully Employed	53	85	166	161	143	115	84	96	105	89
Continuing Formal Study	70	66	107	83	88	72	111	97	91	142
Seeking Teaching Position	81	142	257	249	199	94	87	62	64	85
Seeking Non-Teaching Position	10	-	10	5	4	7	1	2	3	1
Other	17	20	18	14	20	19	15	14	28	24
No Information	224	255	317	399	509	648	393	433	348	616

1/ Detail not available until 1977-78. Combined teachers were included with secondary teachers prior to 1977-78.

TABLE 7

OCCUPATIONS, ON NOVEMBER 1, 1982, OF TEACHERS INITIALLY PREPARED BY FIELD OF PREPARATION, 1981-82

	TEACHING			NOT TEACHING						
	All	In-State	Out-of-State	All	Otherwise Gainfully Employed	Continuing Formal Study	Seeking Teaching Position	Seeking Non-Teaching Position	Other	No Information
GRAND TOTAL	2 606	1 904	702	1 930	637	441	675	31	146	2 637
ELEMENTARY--Total	977	759	218	721	200	109	344	14	54	748
Elementary, General	737	564	173	598	176	94	278	10	40	592
Early Childhood	240	195	45	123	24	15	66	4	14	156
SECONDARY--Total	473	378	95	350	140	78	107	6	19	562
Accounting	17	16	1	4	2	1	1	-	-	7
Biology	48	37	11	36	13	10	9	-	4	31
Chemistry	17	13	4	5	1	3	1	-	-	12
Communications	17	15	2	29	12	4	12	-	1	35
Data Processing	1	1	-	2	1	-	1	-	-	-
Distributive Education	6	3	3	4	3	-	1	-	-	13
Earth and Space Science	5	4	1	14	-	2	4	-	2	13
English	87	68	19	57	22	16	14	1	4	65
General Science	7	6	1	4	1	2	1	-	-	16
Marketing	1	-	1	1	1	-	-	-	-	-
Mathematics	91	73	18	30	14	9	7	-	-	20
Physics	1	1	-	-	-	-	-	-	-	2
Physics and Mathematics	3	1	2	1	1	-	-	-	-	16
Secretarial	33	29	4	28	11	3	11	2	1	21
Social Studies	110	85	25	125	48	28	39	3	7	135
Typewriting	13	10	3	5	1	-	4	-	-	12
Vocational Education	16	16	-	5	3	-	2	-	-	143
COMBINED--Total	533	365	168	518	208	112	139	10	49	711
Agriculture	2	2	-	5	2	-	3	-	-	39
Art	54	42	12	71	25	9	26	-	11	86
Foreign Languages	51	37	14	34	8	12	10	2	2	58
Health	2	2	-	7	2	1	4	-	-	6
Health and Physical Education	121	77	44	195	80	42	59	-	14	304
Home Economics	50	34	16	26	8	3	7	1	7	19
Industrial Arts	64	48	16	43	27	6	1	1	8	28
Library Science	38	32	6	12	6	4	2	-	-	24
Music	151	91	60	125	50	35	27	6	7	147
SPECIAL EDUCATION--Total	623	402	221	341	89	142	85	1	24	616
Hearing Impaired	12	8	4	8	1	4	3	-	-	23
Mentally/Physically Handicapped	519	348	171	201	68	40	71	1	21	485
Speech Correction	70	33	37	128	20	94	11	-	3	99
Visually Impaired	22	13	9	4	-	4	-	-	-	9

NOTE: Graduates in business education are certified by individual subject area (accounting, data processing, marketing, secretarial, and typewriting) with most or all people receiving multiple certificates. For this reason, these graduates have, in many cases, been arbitrarily placed in a particular subject area by the reporting institutions.

GLOSSARY

COMBINED--Includes persons prepared for assignment at any grade level (K-12). Does not include those prepared for teaching in special education classes or those prepared for elementary (K-6) or secondary (7-12) certificates.

ELEMENTARY--Includes persons prepared for the regular elementary certificate (K-6) or the early childhood certificate (N-3). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

INSTRUCTIONAL I--The initial teaching certificate awarded to those who are qualified to enter the teaching profession. The certificate expires after the completion of six years of teaching experience.

SECONDARY--Includes persons prepared for assignments in junior and/or senior high school (7-12). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

SPECIAL EDUCATION--Includes persons prepared with the minimum certification requirements (or professional requirements) for entering assignments to teach the mentally deficient, deaf or hard of hearing, visually handicapped, speech handicapped, orthopedically handicapped, gifted and talented, emotionally disturbed, educationally disadvantaged, severely underachieving, and other pupils with characteristics which require special training competencies.

VOCATIONAL EDUCATION--Includes persons who are certified to teach in areas of trade and industrial (occupational) education. Does not include industrial arts teachers (certificate code 6000).